

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07147982 A**

(43) Date of publication of application: **13.06.95**

(51) Int. Cl.

C12N 15/00

(21) Application number: **05298594**

(22) Date of filing: **29.11.93**

(71) Applicant: **HITACHI LTD**

(72) Inventor: **KANBARA HIDEKI
OKANO KAZUNOBU**

**(54) METHOD FOR ANALYZING DISTRIBUTION OF
KINDS OF M-RNA**

(57) Abstract:

PURPOSE: To provide the analysis method capable of simultaneously measuring especially even plural basic sequence unknown m-RNAs by a means for detecting the distribution of the various m-RNAs contained in cells.

CONSTITUTION: Many kinds of DNA oligomers are divided into every kinds, immobilized in every divisions on the surface of a solid oligomer array, and

subsequently hybridized with m-RNA. A fluorescently labeled dNTP and a reverse transcriptase are used to synthesize fluorescently labeled c-DNA complementary to the m-RNA on the oligomer array. The fluorescent light of each division on the oligomer array is measured to know the distribution of the m-RNA. An oligomer having a structure comprising a poly A and an arbitrary sequence on the 3'-terminal side of the poly A is used as the oligomer.

COPYRIGHT: (C)1995,JPO